

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P580184

Luminaire Tested: **HCC4W25D010BZ-HM40525927-41WDWB**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W25D010BZ-HM40525927-41WDWB
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

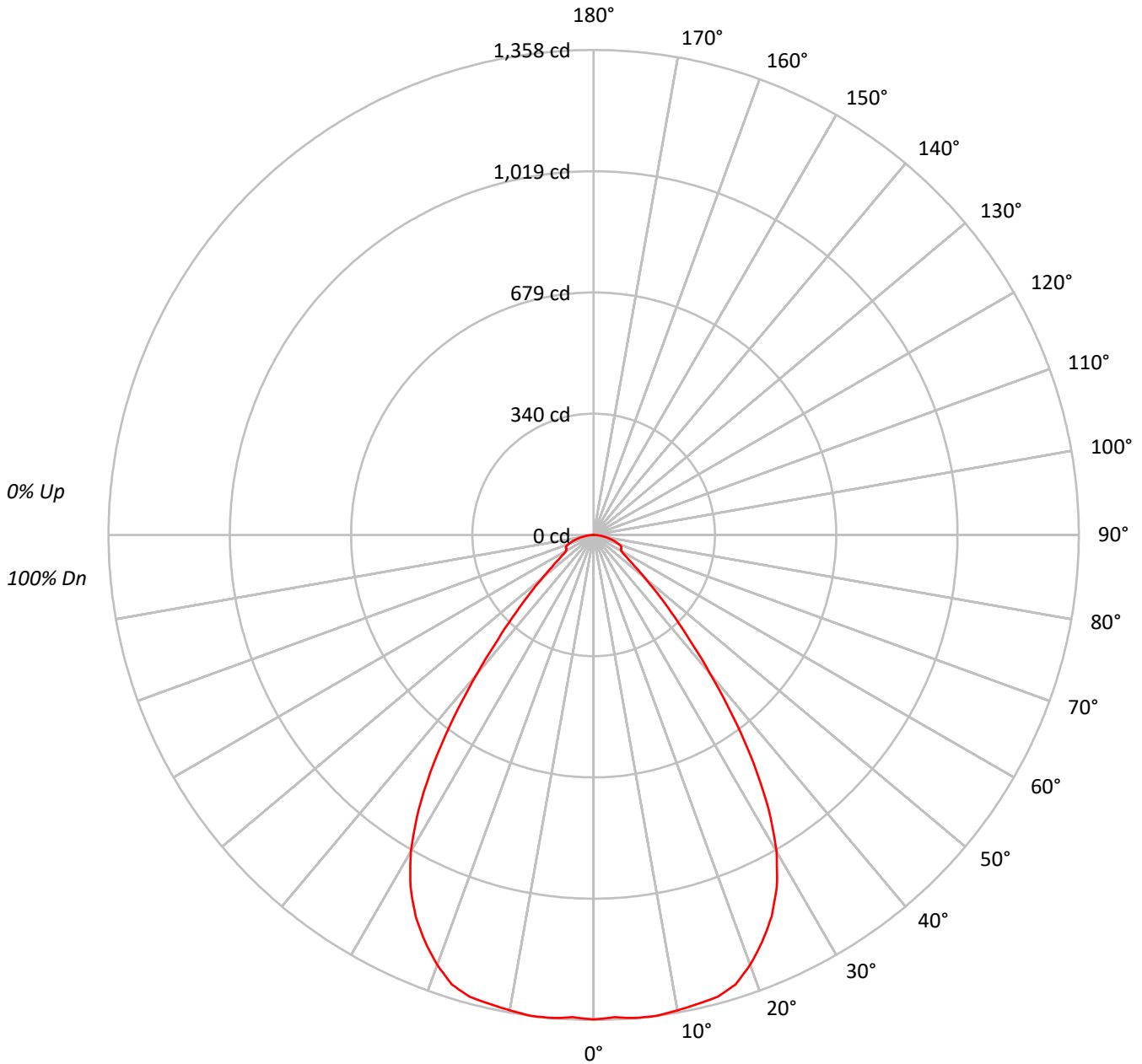
Lumens per Lamp: N/A
Luminaire Lumens: 2038.5 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P580184
CATALOG NUMBER: HCC4W25D010BZ-HM40525927-41WDWB

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P580184

CATALOG NUMBER: HCC4W25D010BZ-HM40525927-41WDWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65			
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59			
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49			
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42			
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	167355
5°	168156
10°	169311
15°	170999
20°	168146
25°	160417
30°	145746
35°	117556
40°	81571
45°	53552
50°	35884
55°	25548
60°	21808
65°	25071
70°	26868
75°	25878
80°	23370
85°	21370



TEST NUMBER: P580184
 CATALOG NUMBER: HCC4W25D010BZ-HM40525927-41WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	6.3
10°-20°	376.2	18.5
20°-30°	537.5	26.4
30°-40°	480.1	23.6
40°-50°	246.3	12.1
50°-60°	111.9	5.5
60°-70°	83.5	4.1
70°-80°	56.8	2.8
80°-90°	16.8	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1043.1	51.2
0°-40°	1523.2	74.7
0°-60°	1881.4	92.3
0°-90°	2038.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2038.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1357	
5°	1358	129
15°	1339	376
25°	1179	537
35°	781	480
45°	307	246
55°	119	112
65°	86	83
75°	54	57
85°	15	17
90°	0	



TEST NUMBER: P580184

CATALOG NUMBER: HCC4W25D010BZ-HM40525927-41WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1356.8
2.5°	1351.8
5°	1358.1
7.5°	1358.1
10°	1351.8
12.5°	1345.4
15°	1339.1
17.5°	1320.1
20°	1281.0
22.5°	1233.0
25°	1178.7
27.5°	1110.5
30°	1023.3
32.5°	912.1
35°	780.7
37.5°	640.5
40°	506.6
42.5°	395.4
45°	307.0
47.5°	240.0
50°	187.0
52.5°	146.5
55°	118.8
57.5°	99.8
60°	88.4
62.5°	85.9
65°	85.9
67.5°	83.4
70°	74.5
72.5°	64.5
75°	54.3
77.5°	42.9
80°	32.9
82.5°	24.0
85°	15.1
87.5°	6.3
90°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)